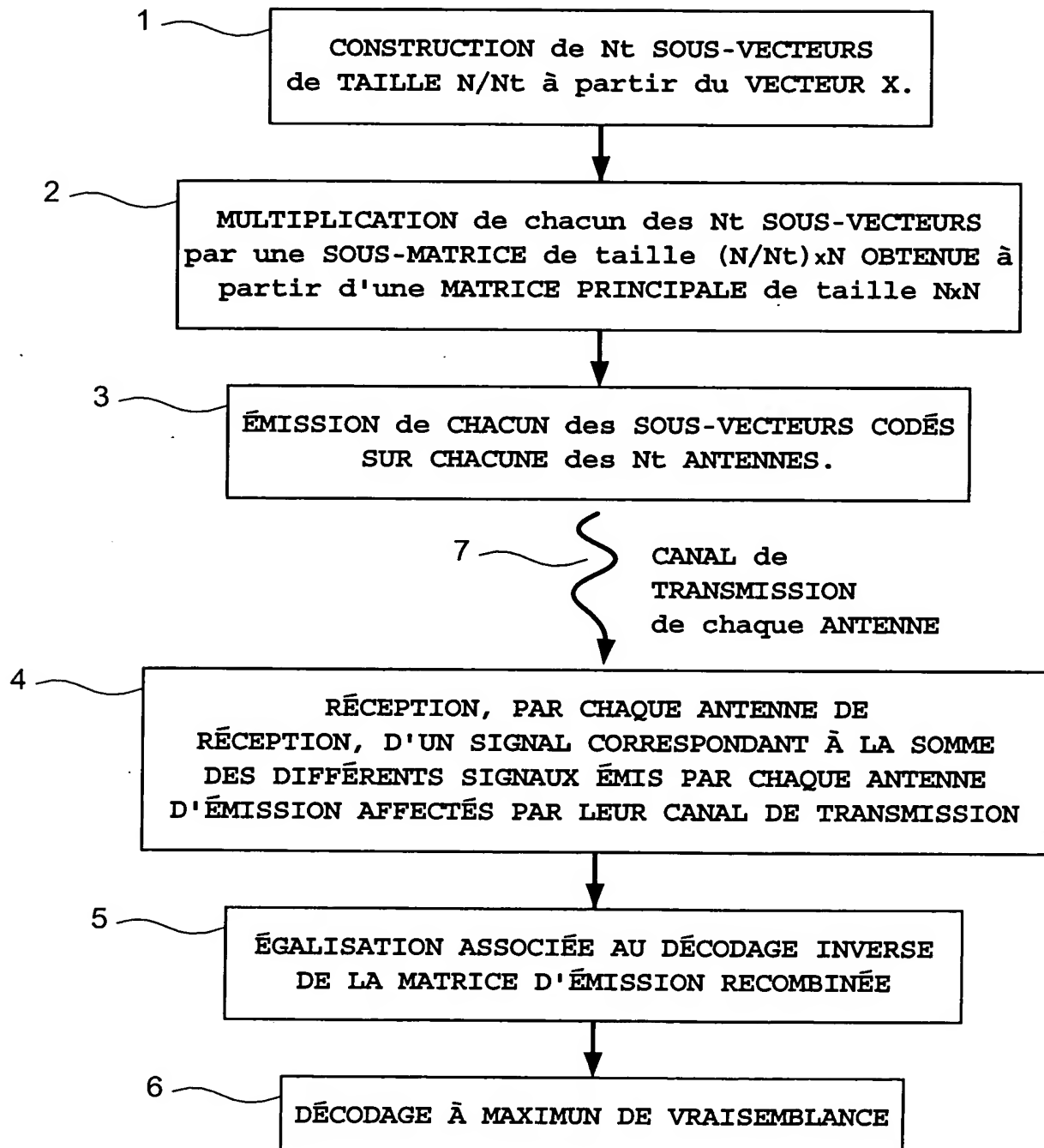


Figure 1

1. Building of N_t sub-vectors sized N/N_t from the vector X
2. Multiplication of each of the N_t sub-vectors by a sub-matrix sized $(N/N_t) \times N$ obtained from a main matrix sized $N \times N$
- 5 3. Sending each of the encoded sub-vectors on each of the N_t antennas
4. Reception, by each reception antenna, of a signal corresponding to the sum of the different signals sent by each transmitter antenna affected by their transmission channel
5. Equalization associated with the inverse decoding of the recombined
- 10 transmission matrix
6. Maximum likelihood decoding
7. Transmission channel of each antenna

- Figures 5 et 6
- 15 TEB = BER

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Fig. 1

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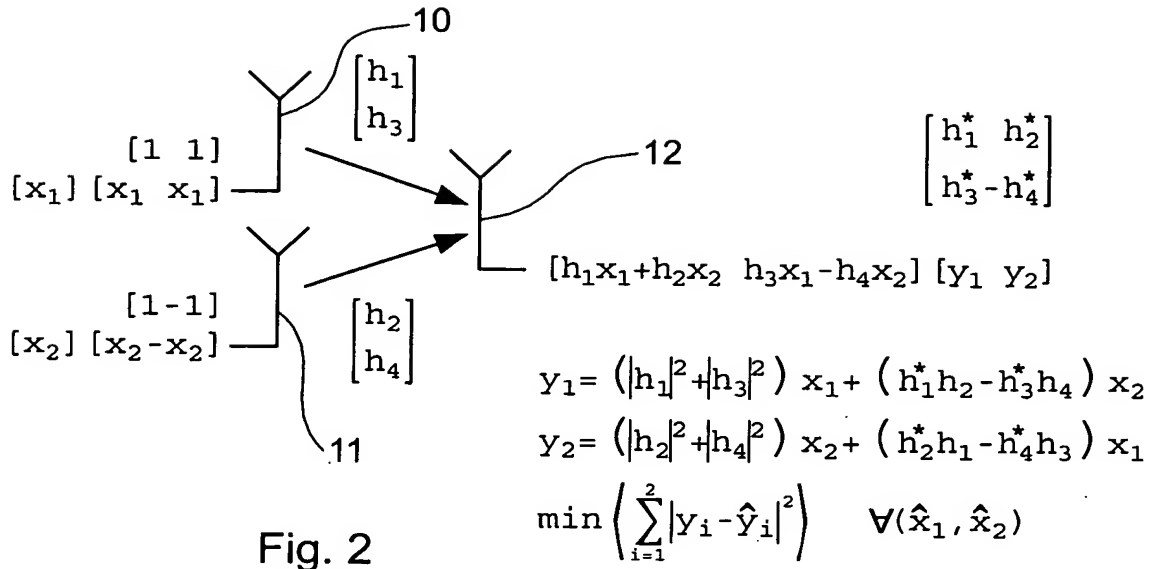


Fig. 2

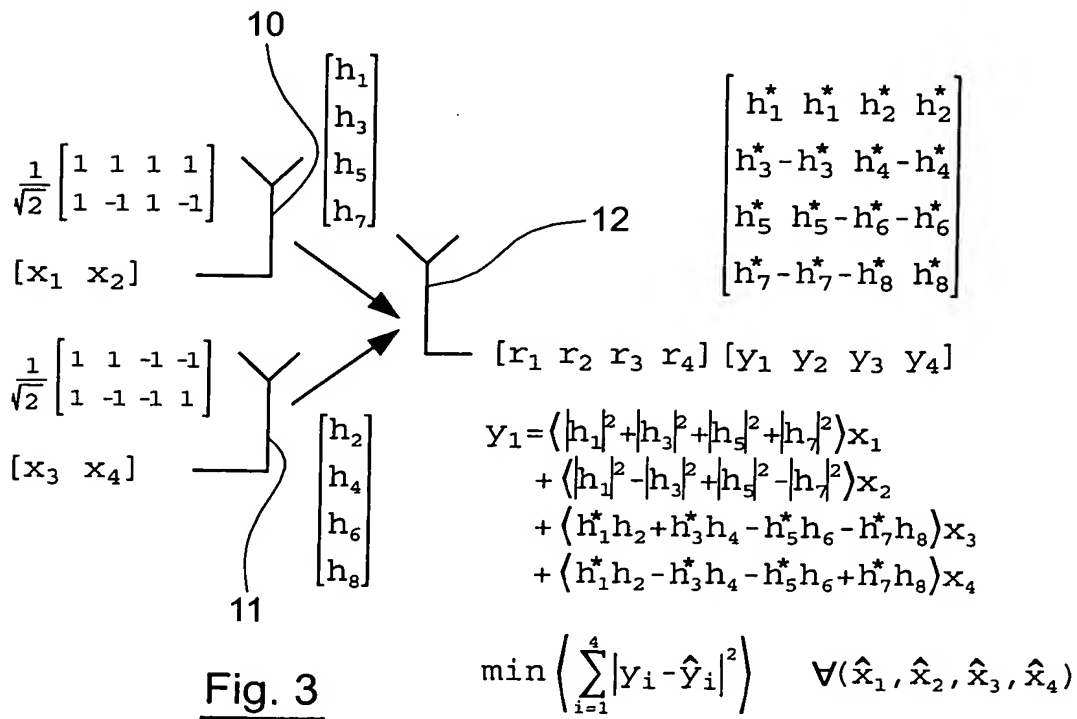


Fig. 3

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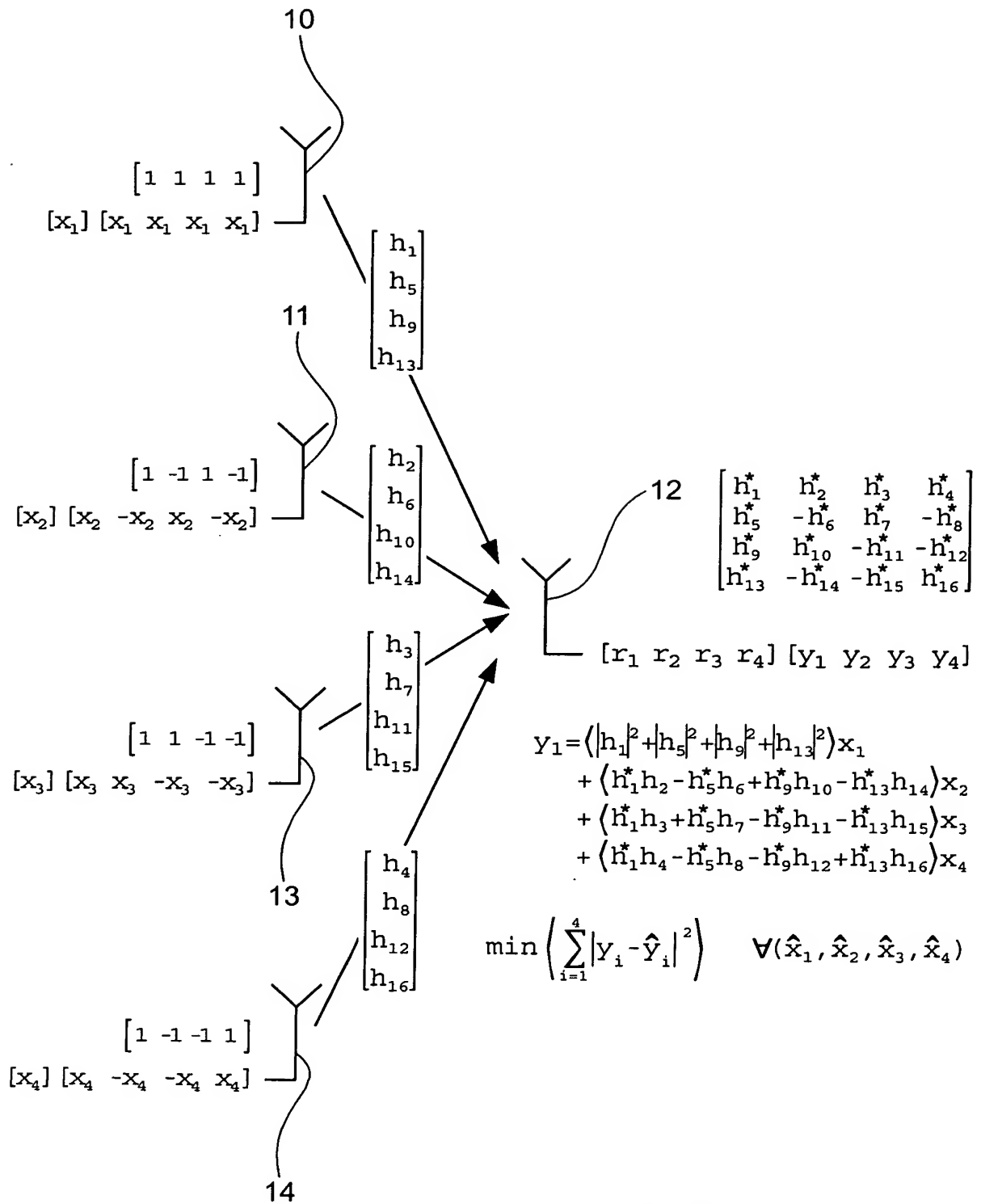
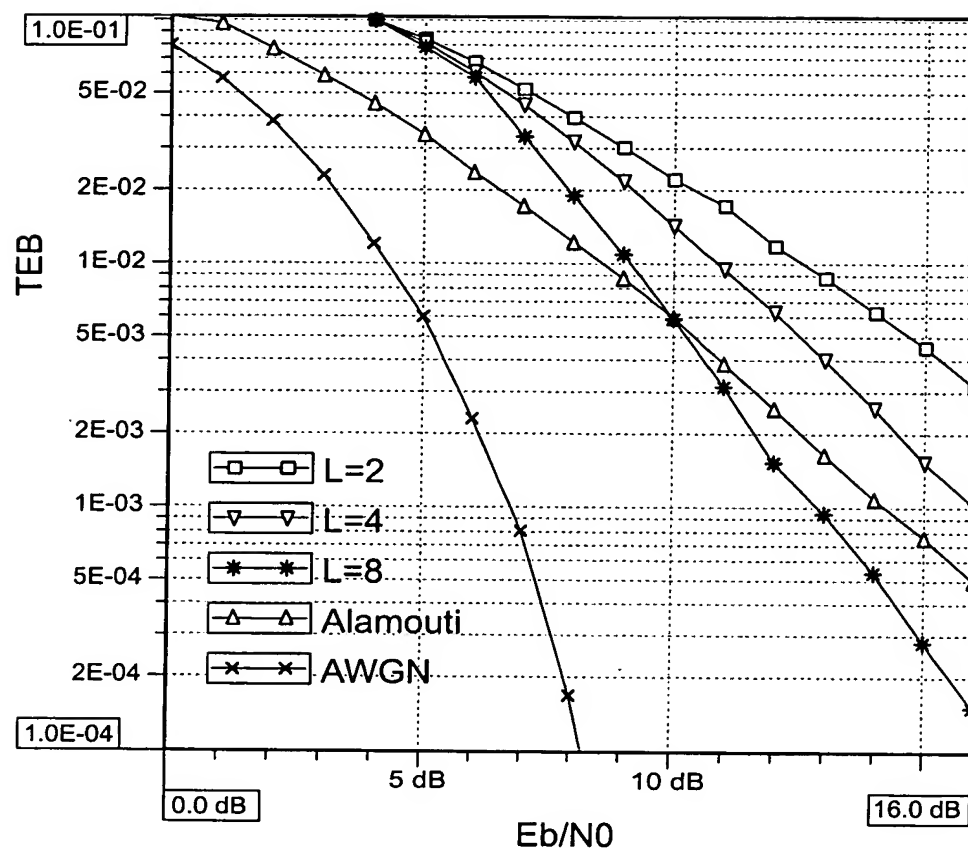
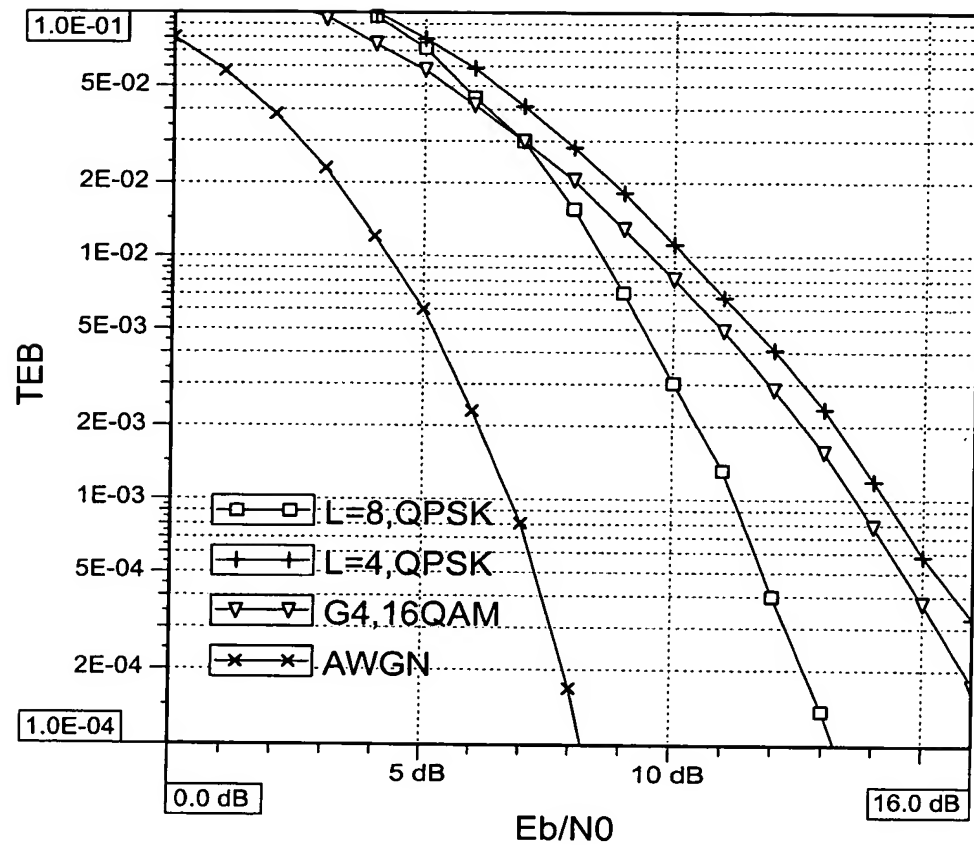


Fig. 4

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Fig. 5

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Fig. 6